STEPAROV, I.A.

Asbestos cloth cups for sealing steam and pneumatic hammers.
Trakt. i sel'khozmash. Jl no.11:44 N '61. (MIRA 14-12)

1. Glavnyy mekhanik Lopetskogo traktornogo zavoda.
(Hammers)
(Asbestoe)

SKORCHELLETTI, V.V.; STEPANOV, I.A.; KUKSENKO, Ye.P.

Anodic behavior of alloys of the copper-zinc system in O.ln.
solution of potassium chloride. Zhur.prikl.khim. 31 no.12:
1823-1831 D '58.

(Copper-zinc alloys-Electric properties)

(Potassium chloride)

STEPANOV, I.A., elektromekhanik

Instrument for regulating plug relays. Avtom., telem. i sviaz' 9 no.12:29 D '65.

(MIRA 19:1)

1. Kontrol'no-ispytatel'nyy punkt Velikolukskoy distantsii Oktyabr'skoy dorogi.

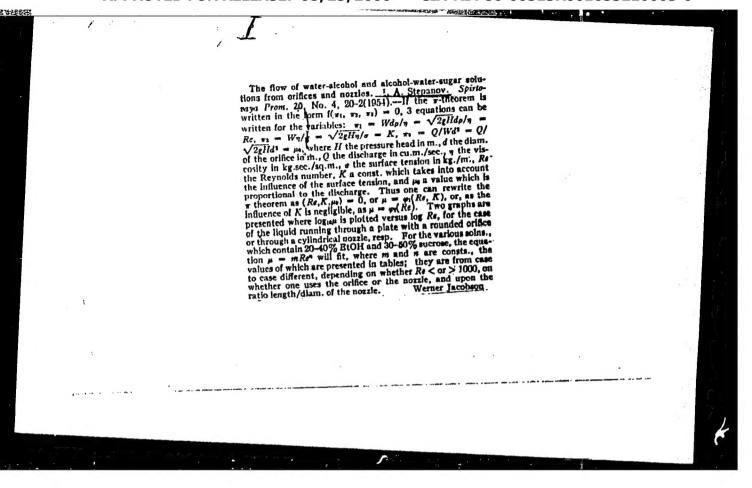
STMARCY, I. A.

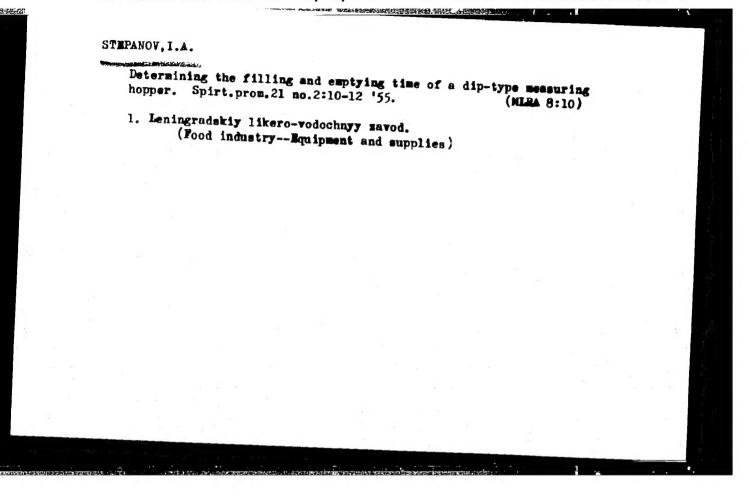
"Investigation of Satchers for the Automatic Fouring of Liquid Foods." Cand Tech Sci, "eningrad Technological Inst of the Food Industry, Leningrad, 1954. (RZhMekh, Mar 55)

SC: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Discertations Defended at USSR Higher Educational Institutions (15)

### "APPROVED FOR RELEASE: 08/25/2000 CI

CIA-RDP86-00513R001653210003-0





Trink(1,1.,1)

USSR/Chemical Technology - Chemical Products and Their Application. Fermentation

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63549

Author: Stepanov, I. A.

Institution: None

Title: Technical Progress and Innovator Undertakings

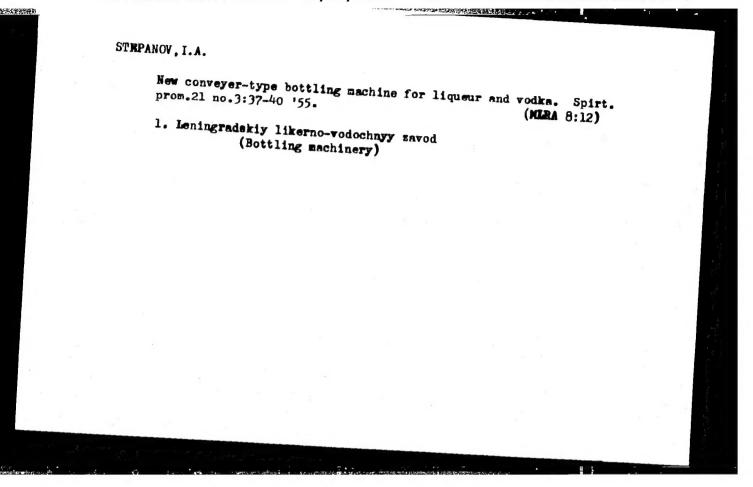
Original

Periodical: Spirt. prom-st', 1955, No 3, 34-37

Abstract: Description of introduction of new techniques at the Leningrad liquor

plant: machinery of new designs, automatic continuous production lines and innovation attainments of L. A. Bogdanova who operates 4 assembly units.

Card 1/1



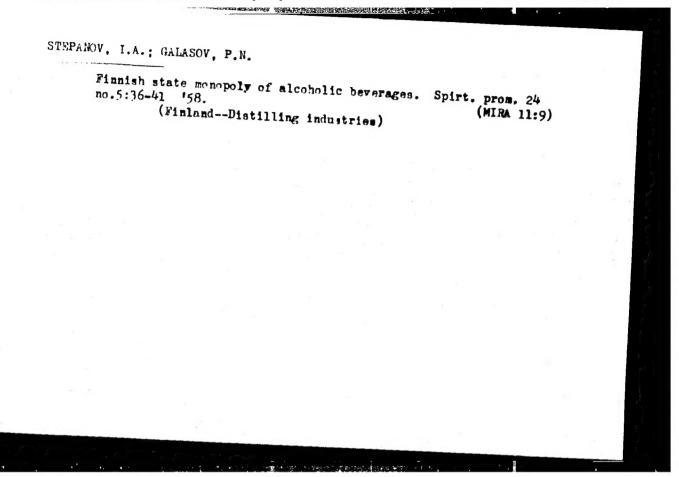
STEPANOV, I.A.; AZRIYELOVICH, S.S.

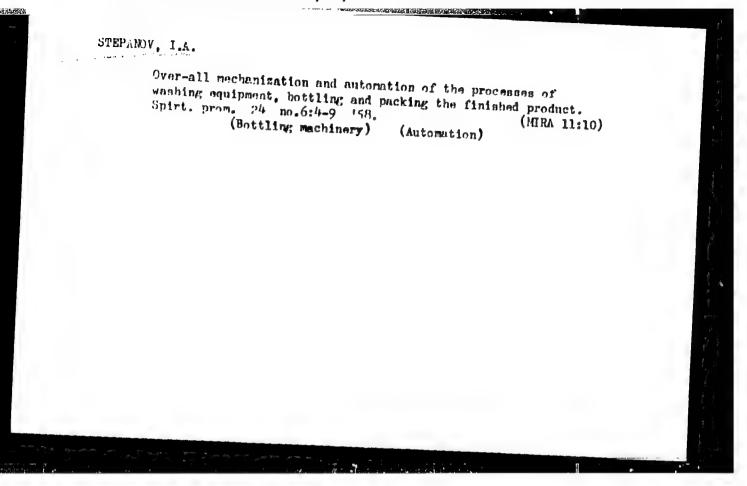
Leningrad Liqueur and Vodka Plant on the fortieth anniversary
of the October Revolution. Spirt.prom. 23 no.7:40-46 '57.

(MIRA 11:1)

(Leningrad--Liquor industry)

HE LEE SEE





AZRIYELOVI, S.S.; SPEPAROV, I.A.; BRAZHNIKOV, P.G.

| Reployees of the Leningrad Liqueur and Vodka Plant are greeting the 21st Congress of the CPSU with new achievements. Spirt.pron. 25 no.1:11-12 '59. (MIRA 12:2)

(Leningrad--Distilling industries--Equipment and supplies)

GLAZURIOV, A.I.; KAMOVNIKOV, B.P.; KRAVCHENKO, V.S.; PIVOVAROV, V.G.;

STEPANOV, I.A.

Automatic control of alcohol in distilled liquors. Spirt.prom.
(MIRA 14:4)

(Alcohol) (Automatic control)

KRAVCHENKO, V.S.; STEFANOV, I.A.; TIKHOMIROV, L.A.; KAMOVNIKOV, B.P.;
GLAZUNOV, A.I.

Automatic maintenance of constant pressure in continuous rectifying columns. Spirt.prom. 27 no.3129-33 '61. (MIRA 14:4)

(Leningrad—Liquor industry—Equipment and supplies)

(Distillation apparatus)

STEPANOV, I.A.; ANDREYEV, K.P.; USHAKOV, Ye.N.

Automatic distribution of containers on a conveyer moving toward bottle-washing machines. Spirt.prom. 28 no.2:20-24 '62. (MIRA 15:3)

1. Leningradskiy kholodil'nyy institut (for Stepanov). 2. Leningradskiy likero-vodochnyy zavod (for Andreyev, Ushakov).

(Leningrad--Liquor industry--Equipment and supplies)

STEPANOV, I.A.

Efficient method of bottle washing. Spirt.prom. 29 no.2:5-9 163.
(MIR 16:3)

l. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti. (Bottle washing)

GALASOV, P.N.; STEPANOV, I.A.

Continuous automatic bottling lines in the Leningrad Liqueur and Vodka Distillery. Spirt. prom. 29 no.6:20-23 '63. (MIRA 16:10)

1. Spetsial'noye konstruktorskoye byuro PPT Leningradskogo soveta narodnogo khozyaystva (for Galasov). 2. Leningradskiy tekhnologi-cheskiy institut kholodil'noy promyshlennosti (for Stepanov) (Distilling industries—Equipment and supplies) (Automation)

granded, aven Alchander the Wally lett like the SHOI, year, apeter red.; ECVALFYSERVA, F.I., red.

[to minute lines for bettling and cesting aiguid foods and bederings] forcebrys limit region to desprikt planetrykh middingeri vockwa, Fisheresis procyclotment, 1965.

Site c.

(MinA 18:11)

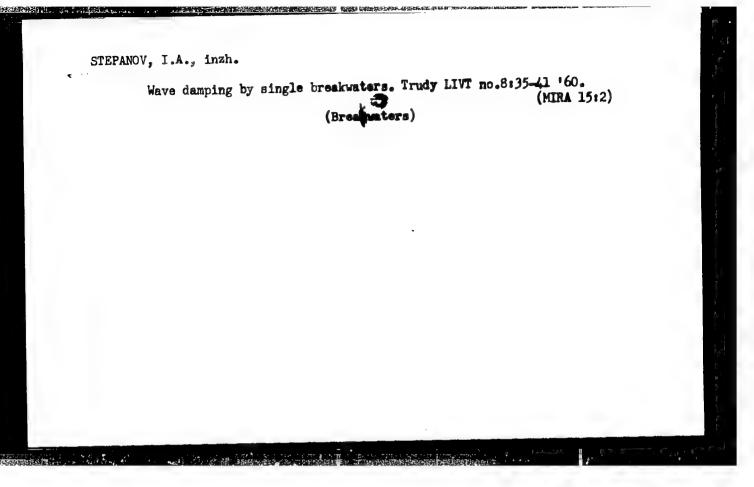
STEPANOV, I.A.

[Proportioning devices for food liquids] Doziruiushchie apparaty dlia pishchevykh zhidkostei. Moskva, TSentr. in-t nauchmo-tekhn. informatsii pishchevoi promyshl., 1963. 46 p. (MIRA 17:5)

GALASOV, P.N.; STEPANOV, I.A.

Automatic production line for bottling in the Leningrad Liqueur and Vodka Factory. Spirt.prom. 29 no.5:25-29 '63. (MIRA 17:2)

1. Leningradakiy likero-vodochnyy zavod (for Galasov). 2. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti (for Stepanov).



SHTENTSEL', V.K., kand.tekhn.nauk, dotsent; STEPANOV, I.A., inzh.

Accuracy of laboratory wave investigations. Trudy LIVT no.8:58-62
'60.

(Hydraulic engineering—Research)

# Balance of wave energy for a limited area of the sea. Okeanologiia (MIRA 14:11) 1 no.4:638-641 '61. 1. Leningradskiy institut vodnogo transporta. (Waves)

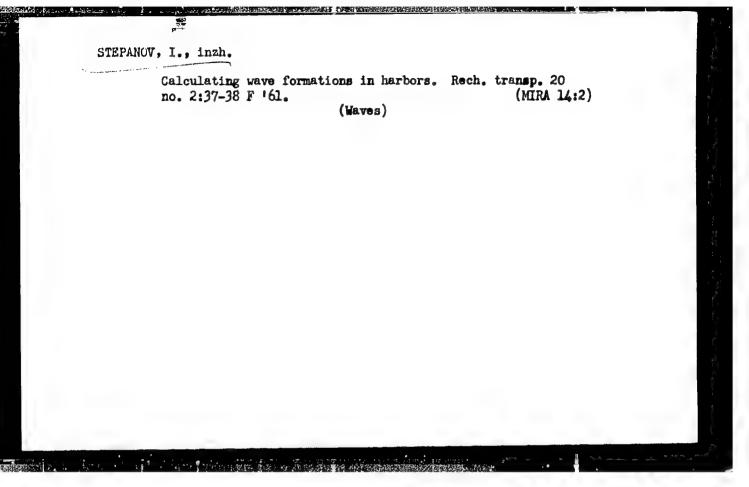
STEPANOV, I.A.

Balance of wave energy for the protected water area. Okeanologiia
1 no.5:851-855 '61.

1. Leningradskiy institut vodnogo transporta.
(Waves) (Hydraulic engineering)

The main beam of energy. Izv.vys.ucheb.zav.; energ. 4 no.9:104107 S '61.

1. Leningradskiy institut inzhenerov vodnogo transporta.
Predstavlena kafedroy protov i gidrotekhnicheskikh sooruzheniy.
(Waves) (Turbulence)



 STEPANOV, I. Theoretical and actual wave distrubance behind a single breakwater.

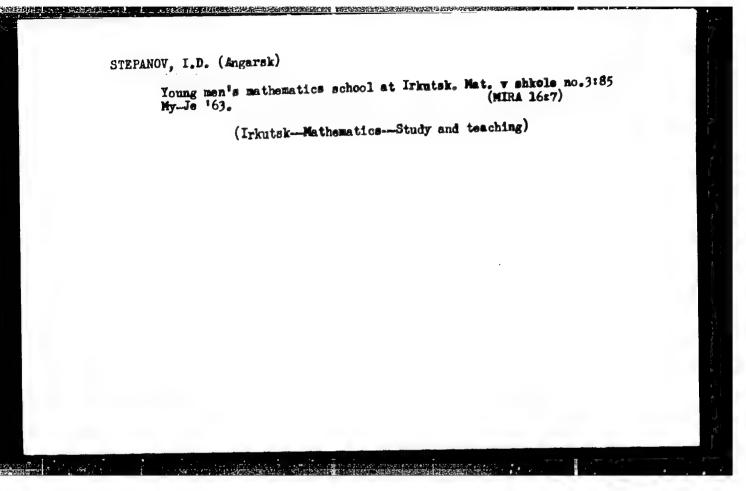
Mor.flot 21 no.5:32-34 My '61. (MIRA 14'5)

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Mor.flot 21 no.5:32-34 My '61.

1. Starshiy inzh.Leningradskogo instituta vodnogo transporta. (Waves)

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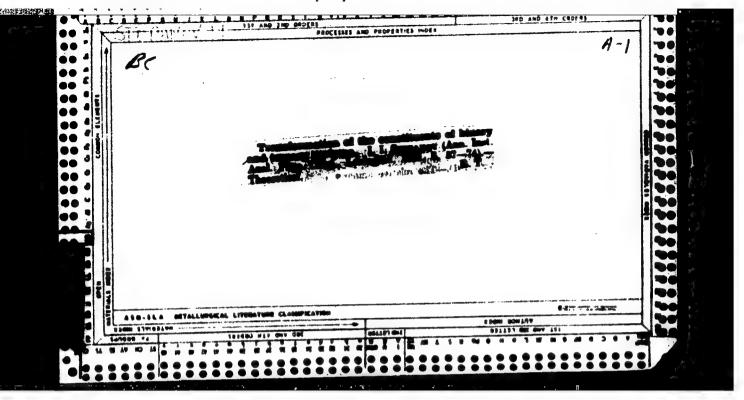


AL'TER, L.B., doktor ekon. nauk; BLYUMIN, I.G., doktor ekon. nauk [deceased]; KARATAYEV, N.K., prof.; REUEL, A.L., doktor ekon. nauk; STEPANOV, I.G., doktor ekon. nauk; SHTEYN, V.M., doktor ekon. nauk; POLYANSKIY, F.Ya., doktorist. nauk; BOBKOV, K.I., kand. ekon. nauk; VASILEVSKIY, Ye.G., kand. ekon. nauk; MOROZOV, F.M., kand. ekon. nauk; PONOMAREV, Ye.I., kand. ekon. nauk; RYNDINA, M.N., kand. ekon. nauk; FIRSOVA, S.M., kand. ekon. nauk; TSAGA, V.F., kand. ekon. nauk; ZHUK, I., red.; VOSKRESENSKAYA, T., red.; NEZNANOV, V., red.; ULANOVA, L., tekhn. red.

[History of economic theories] Istoriia ekonomicheskikh uchenii. Moskva, Sotsekgiz, 1963. 549 p. (MIRA 17:2)

1. Akademiya nauk SSSR. Institut ekonomiki.

USSR COMMEN CATCGCRY 1059, No. 10006 RZhěici., do. and Jour. Stepanov, L.L. APTHOR Voronezh Medical Institute LMST. • Variability of Virulent and Immunogenic Properties of TIME Secondary Cultures of Flexner Dysentery During the Process of Reversion Tr. Voronezhek, med. in-ta, 1957, 28, 117-123 OPIG. PUB. During the course of repeated passages of secondary ABSTRACT regenerated cultures of Flexner dysentery bacteria jobtained as a result of the prolonged maintenance of phagolysates at 370) in MPB containing 0, 075% agar a regular increase in virulence and immunogenicity was noted. In I culture a complete restoration of the original virulence was observed. A secondary culture was obtained with immunogenic properties exceeding the immunogenicity of the original culture with reduced virulence. -- V. G. Petrovskaya Carde 1/1



STFPANÓV, 1. I.

T. F. Dankova, L. G. Evdskimova, I. I. Stepanov, and N. A. Preohrazhenskii, Investigations of syntheses in the series of analogs of colchicine alkaloid. p. 1724

The synthesis is described of new derivatives of  $\beta$ -phenyl-ethyl-amine which have in their structure a number of analogies with the proposed structure of colchicine and other known preparations with a growth-action.

The Moscow Lomonosov Inst. of Exact Chemical Technology. November 10, 1946

SO: Journal of General Chemistry (USSR) 28, (80) No. 9 (1948)

STEPAROV, I. I.

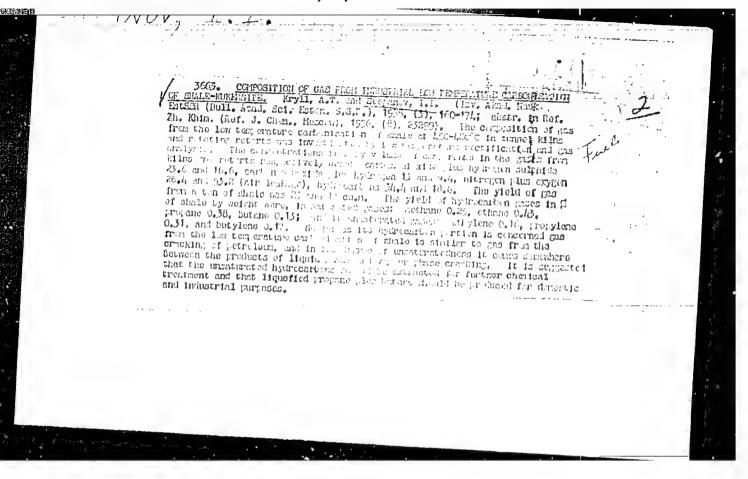
USSR/Chemistry - Synthesis Chemistry - Alkaloids Sep ដូប៊

"Synthetic Research in a Series of Analogues of a Colchincine Alkaloid," T. F. Dankova, L. G. Yevdokimova, I. I. Stepanov, N. A. Preobrazhenskiy, Moscow Inst. Fine Chem Tech imeni M. V. Lomonosov, 8, pp

"Zhur Obshch Khimii" Vol XVIII, No 9

Describes synthesis of new derivatives of  $\beta$ -phenyle thylamine. Structurally, they have many analogies with the proposed structure of colchicine and other well-known preparations with growth action. Synthesizes  $\beta$ -anisil- $\gamma$ -( $\mu$ -methoxy-phenyl)-propylace tamine and  $\beta$ -(n-oxyphenyl)- $\gamma$ -( $\mu$ -methoxyphenyl)-propylamine. Also prepares methyl ester of oxymethylenecamphor and methyl and ethyl esters of camphocarboxylic acid. Submitted 10 Nov  $\mu$ 6.

PA 30/49 TL3



STEPPNOV, 1 I.

USSR Chemical Technology. Chemical Products and Their I-13
Application - Treatment of solid mineral fuels

Abs Jour: Ref Zhur-Khimiya, No 3, 19-8, 9226

Author : Stepanov, I. I.
That : Academy of Sciences Estenian SSR

Inst : Academy of Selenter ale Gas Title : High-Temperature Shale Gas

Orig Pub: Izv. AN EstSSR, 1955, Vol 4, No 1, 57-64

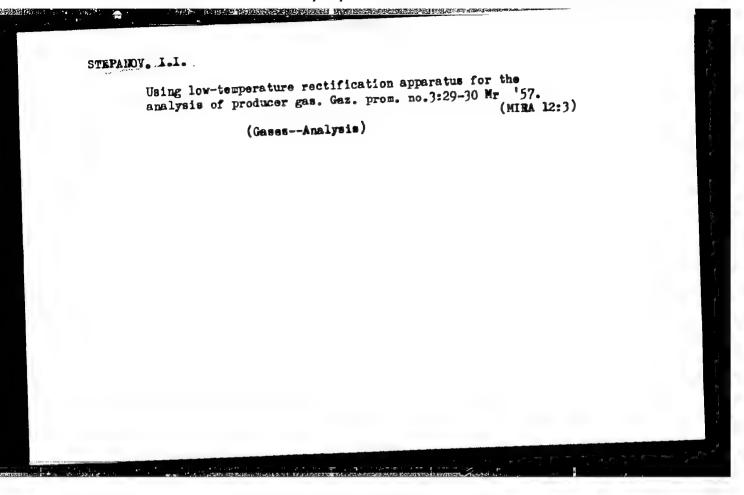
Abstract: The composition and heat value of gas obtained by the high-temperature gasification of Estonian shales in an industrial horizontal [sic] Didier converter at 750-8000 has been investigated. It is shown that the high-temperature recomposition of the shale proceeds with intensive gas evolution in two stages. In the first stage, large gas yields (216 m3/ton) are observed, the gas being rich in unsaturated hydrocarbons (C2,C3, and C4); in the second stage the coking of the shale is completed and the yield of gas is low (34 m3/ton), the gas containing almost

Card 1/2

Abstract: no unsaturated hydrocarbons and a higher yield of CO (31.5-70.8 vol % against 7.8-14.5 vol % during the first stage). The concentration of H<sub>2</sub> at the

APPROVED FOR RELEASER 03/25/2000 on The RDP86 06513R00f653210003-0" wards the end to 9.6%. The concentration of CH4 changes similarly from 14-18% in the first stage to 10-2% in the second stage; 60-70% of the C2 fraction consist of ethylene. The average heat value of the gas in the first stage is 6200 kcal/m3 and in the second stage, 2900 kcal/m3, the overall heat value is 5800 kcal/m3. A comparison of the gas yields obtained in a laboratory reactor (330°), a rotating reactor (450°), a tunnel furnace (460°), and with the production of consumer (750°) and high-temperature (800°) cas has shown the advantages of the latter two methods (yields of 400 and 250 m3/ton compared to 20-25 m3 ton at 450° in the retort and 480° in the furnace).

Card 2/2



STEPANOV, 1

TTTP / General and Specialized Zoology. Insects. Harrful Insects and Acarids. Chemical Methods in the Conincil of Harmful Insects and Acarids.

: Ref Zhur - Biol., No 18, 1958, No. 82926 Aba Jour

Stepanov, I. Author

: Concerning the Safeguarding of Plants and Wood Pulp : Not given Inst

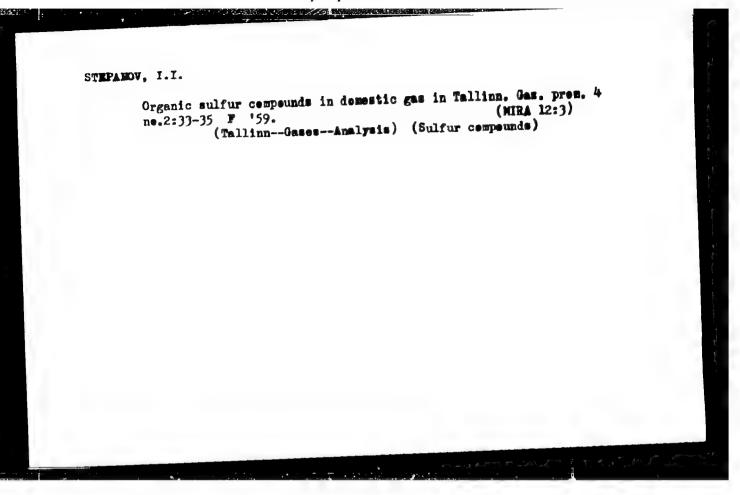
Obtained in the Shale Industry Title

: Techn. Ja tootmine, 1957, No 5, 11-12 (Esthonian) Orig Pub

: There is a description of toxic chemicals (oil for impregnation of crossties, Carbolineum, shale oil in the capacity of a herbicide, preparation 125, colloidal Abstract

sulphur, etc.), which may be prepared from Estonian shale.

Card 1/1



PFTUKHOV, Ya.s., GERSHP:ABULKOV, N.D.; STETANOV, I.I.; SHELOUMOV, V.V.

Studius in the preparation of oil shale gas for the synthesis of ammonia. Khim. 1 lakh. gor. slan. 1 prod. ikh perer no.13r

142-151 \*64. (MIRA 18:9)

ZFMEROV, M.V.; IGNATIYEVA, S.A.; MORCZOVA, V.F.; STEPANOV, I.I.; ZHURAVLEVA, N.V.

Yeast-Induced production of antibodies, resistance and plasmoblastic reaction in animals. Zhur.mikrobiol., epid. i immun. 42 nc.3:130-133 Mr 16:

1. Voronezhskiy meditsinskiy institut.

STEPHICEV I I

AID P - 5372

Subject

: USSR/Engineering

Card 1/1

Pub. 103 - 2/28

Author

: Stepenov, I. I.

Title

: Special shape grinding machine

Periodical

: Stan. i instr., 9, 5-7, S 1956

Abstract

: The RhSh-116 model semi-automatic grinding machine with hydraulic drive and with polishing wheel 700 to 1,100mm in diameter for machining complicated surfaces of aerodynamic profile, such as blades for gas turbines and compressors, is described and

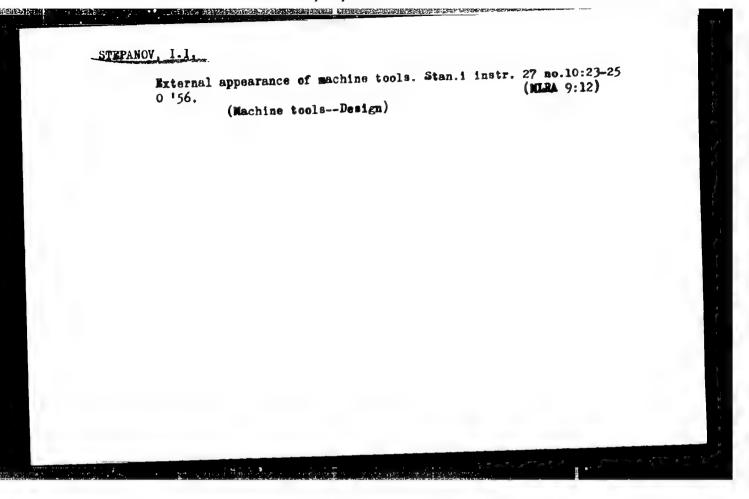
illustrated. Four drawings and 2 photos.

Institution :

Khar'kov Machine-tool Plant

Submitted

: No date



STEPANOV, IGOR' MIKHAYLOVICH

N/5 783.301 .58

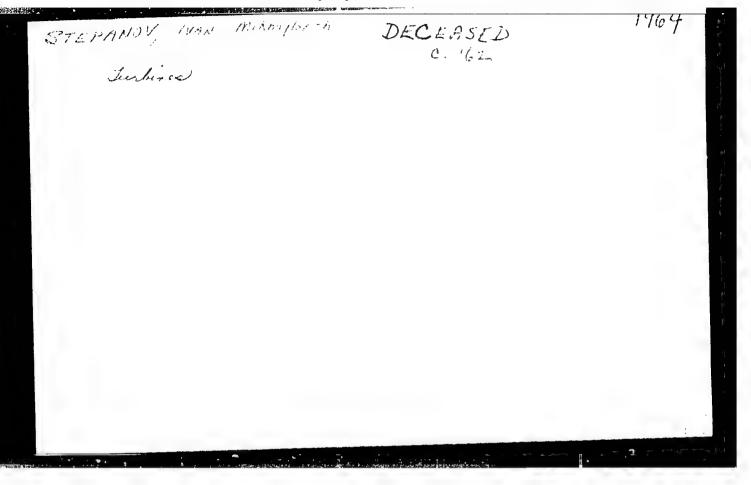
Rabota Rayonnogo Soveta V Oblasti Planirovaniya I Byudzheta (Work of Soviet Districts in Field of Planning and Budget) Moskva, Gosyurizdat, 1956.

47 p. Tables.

Bibliographical footnotes.

At head of title: Akademiya Nauk SSSR. Institut Prava.

CANCEL STATE OF THE SECOND



STITANOV, I. H.

lovel's supports for mine tackings. Stepanov, I.N. (Moncow: Upletekhizdat, 105; 110 pp.; ekstr. in Upcl (deal), Jen. 1951, 47)

Emuples are given of typicaldesigns. The therey on which they are issed to explained. The handling of novable supports in mining thick steeply dipping seems in Europeans is described.

immediate source clipping

STEPANOV, I.N.

Experience in managing the combined means of communications. Vest.eviasi
14 no.4:25-27 Ap 154. (NLRA 7:6)

1. Nachal\*nik Vladimirskoy oblastnoy direktsii radiotranslyatsionnoy seti. (Telecommunication)

OSIFOV, V.G.; McLadel, V.G.; KIZEVETTER, I.V.; STEFANOV, I.E., red.

[Tuna righ] Tuntsy. Vladivostok, Tikhookeenskii in-t rybnego khoz. i okeanografii, 1963. 68 p. (MIRA 17:4)

L 22903-65 EPF(c)/EPR/EWG(s)-2/EWP(j)/EWT(m)/T/EWP(v) Pc-4/Pr-4/Ps-4/
PW-4 RM/WW/ / S/0097/64/000/009/0420/0421
ACCESSION NR: AP5001776

AUTHOR: Stepenov, I. N. (Engineer, Director)

TITLE: Polymer films replacing lubrication

SOURCE: Beton i shelezobeton, no. 9, 1964, 420-421

TOPIC TAGS: polymer, polymer film, construction material, concrete, phenolformalde-

ABSTRACT: About 15% of the expense involved in producing concrete and ferroconcrete objects is caused by form-setting and removal and handling of forms. The author cites conventional methods of form lubrication as being unwieldy and inefficient. Pre-greased forms must usually receive supplementary applications of grease on the job site. The Tsentral'naya nauchno-issledovatel'skaya laboratoriys Glavtsentrostroya Kinisterstva stroitel'stva RSFSR (Central Scientific Research Laboratory of Glavtsentrostroy at the Ministry of Construction, RSFSR) developed a new polymer substance which, when applied to a form surface, eliminates the disadvantages of grease lubrication. The polymer is based upon phenolformsldehyde with vantages of grease lubrication. The polymer is based upon phenolformsldehyde with filler substances. The polymer takes the form of a thin film applied to the form surface. The ingredients used in preparing the polymer are: MFF-1 (ETU K-800-58)

Card 1/2

L 22903-65

ACCESSION NR: AP5001776

glue, RA-6 (TU-4082-55) lacquer, type "A" (GOST 901-56) bakelite lacquer, acetone (GOST 2603-51), and ethanol (GOST 8314-57). Two mixtures are prepared: mixture number 1 consisted of (based on 10 liters total volume) 1.3 liters MPF-1 glue, 5.0 liters ethanol, 1.3 liters RA-6 lacquer, and 2.4 liters acetone; the second mixtures 1.5 liters RA-6 lacquer, 3.9 liters ethanol, 0.7 liters type "A" bakelite lacquer, and 3.9 liters acetone. Twenty liters of the final mixture result in the aggregate proportions of mixtures 1 and 2; this amount is sufficient for about 100 m<sup>2</sup> of smooth metal surface. Polymerization occurs at +170C in a metallic heat chamber. The total preparation-polymerization process takes 105 minutes, not including cooling time. The author describes in detail the sequences of mixture application, heating, and other procedures necessary to produce the film. Field tests of the film-covered forms were conducted by the KPP Combine Mosobletroy No. 6. Sixty uses of the forms resulted in no damage to the film surface. Preliminary estimates indicate a cost of about 0.5 kopeks to produce the film.

ASSOCIATION: Teentrostraytenil

SUBMITTED: 00

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SUB CODE: ME

NO REF SOVI OOO

OTHER: OOG

Card 2/2

STEPANOV, I.N.

New glaciological data on the Kok-Su Valley (western Tien Shan).

Nauch.dokl.vys.shkrly; geol.-geog.nauki no.1:140-142 '59.

(MIRA 12:6)

1. Moskovskiy universitet, biologo-pochvennyy fakul'tet, kafedra fiziki i melioratsii pochv.

(Kok-Su Valley (Tien Shan)-Drift)

3(5)
AUTHOR:

Stepanov . .. I ... ...

sov/20-125 1-41/67

TITLE:

Snow Cover as One of the Factors Contributing to the Formation of a Loess-like Soil (Snezhnyy pokrov kak odin iz faktorov

obrazovaniya lessovidnykh melkozemistykh tolshch)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 1, pp 153-154

(USSR)

ABSTRACT:

In the region of the Tyan'-Shan' Highlands the weathering products of the rocks are deposited as a fine dust. The author has observed the important role the snow fields of Western Tyan'-Shan' play in this process. The aeolian products and dust

Tyan'-Shan' play in this process. The aeolian products and dust of erosion brought in by prevailing winds from the foothills are caught on the snow fields. The deposition of these products in negative relief forms and in the wind shadows of slopes is thus favored. The role of rain water in the formation of relief in the high mountains is reduced to minimum because in this area the precipitation the whole year long is snow and hail. The giant snow fields have a large specific surface area and porosity.

Because of this the lowermost air layer is cooled and the air becomes dense and stagnant. This favors the precipitation of

Card 1/3

sov/20-125-1-4!/67

Snow Cover as One of the Factors Contributing to the Formation of a Loss-like Soil

dust particles on the snow surface. The data obtained on solid particles acquired by evaporation of the water are shown in table 1. From this it can be seen that the amount of dust particles ranges from 10-25 metric tons/km of snow surface to 1-2 5 kg/m<sup>2</sup> of snow. Moreover one of the muddiest rivers of the Tyan'-Shan' area, the Naryn River where it leaves the Fergana Valley, yielded 1 09 kg solid particles per m' (Ref 1). Under the microscope the mineral content of the dust shows a close relationship with the surrounding rocks. The main source of the aeolian dust, then, is the bare rocks, the morains etc of the alpine zone. The dust is produced by physical and biological erosion. However, the snowfields do not lack in aeolian dust from the foothill-plains (Ref 2). Although the amount of dust of the latter sort is not great, it has important significance, bacause it contains carbonate particles. The mechanical constitution of the dust was determined by the method of N. A Kachinskiy. The movement of dust during different seasons is described. In spring and summer the dust accumulates on the edge

Card 2/3

SOV/20-125-1-41/67

Snow Cover as One of the Factors Contributing to the Formation of a Loess-like Soil

of the melting snow fields (2800 m elevation) These crusts

weigh 350  $g/m^2$ . They contribute to the soil-building process.

There are 1 table and 2 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

PRESENTED: November 18, 1958, by N. M. Strakhov, Academician

SUBMITTED: November 12, 1958

Card 3/3

La to the source of the same o

STEPANOV, I.N.

Tien Shan snowflakes. Priroda 50 no.1:109-110 Ja '61. (MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova. (Tien Shan—Snow)

KISIN, I.M.; STEPANOV, I.N.

Amount of solid mineral particles in glaciers of the Caucasus. Dokl.

AN SSSR 137 no.5:1195-1197 Ap '61. (MIRA 14:4)

1. Upravleniye gidrometsluzhby AzerSSR. Predstavleno akademikom N.M.Strakhovym. (Caucasus—Glaciers)

STEPANOV, I.N. Snow cover and the fernation of alpine soils. Pochvovedenie no.3:44-(MIRA 15:7)

52 Mr 162.

1. Gosudarstvennyy inzhemerno-preyektnyy institut po vodnomu khozyaystvu Azerbaydzhanskoy SSR. (Soil fametion) (Snow)

STEPANOV, I.N.; AGAYEV, Sh.M.

System of hydrochemical zoning of the snow cover in Azerbaijan.

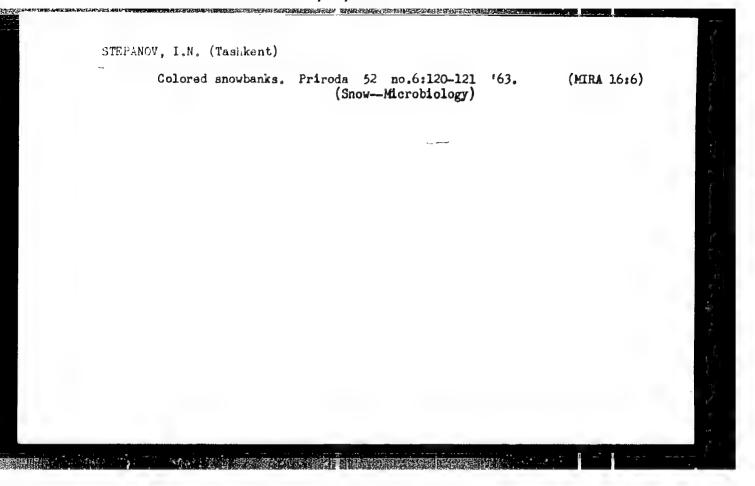
Za tekh. prog. 3 no.7:38-41 Jl \*63. (MIRA 16:12)

1. Azerbaydzhanskiy gosudarstvennyy institut po proyektirovaniyu vodokhozyaystvennogo stroitel'stva (for Stepanov). 2. Upravleniye gidrometallurgicheskoy sluzhby Azerbaydzhanskoy SSR (for Agayev).

ALIYEV, G.A.; STEPANOV, I.N.

Some characteristics and similarities of brown forest soils in the central Karabakh Steppe. Dokl. AN Assrb. SSR 19 no.4:49-53 '63. (MIRA 16:12)

1. Institut pochvovedeniya i agrokhimii AN Amerbaydzhanskoy SSR.



AGAYEV, Sh.M.; STEPANOV, I.N.

Chemical composition of \*tmospheric precipitation in Azerbaijan. Dckl. AN SSSR 154 no.6:1359-1360 F '64. (MIRA 17:2)

i. Upravleniye gidrometeorologicheskoy sluzhby AzerbSSR.

STEPANOV, I.N.

Weathering processes in ice-type lithogenesis. Lit. i pel. iskop. no.5:109-110 S-0 \*64. (MIRA 17:11)

1. Nauchno-issledovatel'skiy institut lesnogo khozyaystva, Tashkent.

KREYTSER, Boris Aleksandrovich; STEPANOV, Ivan Prokof'yevich; PETROVSKAYA, Ya.K., red.; KORNEYEVA, M.G., tekhn.red.

[Shotgun firing pettern] Drobovoi vystrel. Moskva, Gos.izd-vo "Fizkul'tura i sport," 1959. 71 p. (MIRA 12:12) (Shotguns)

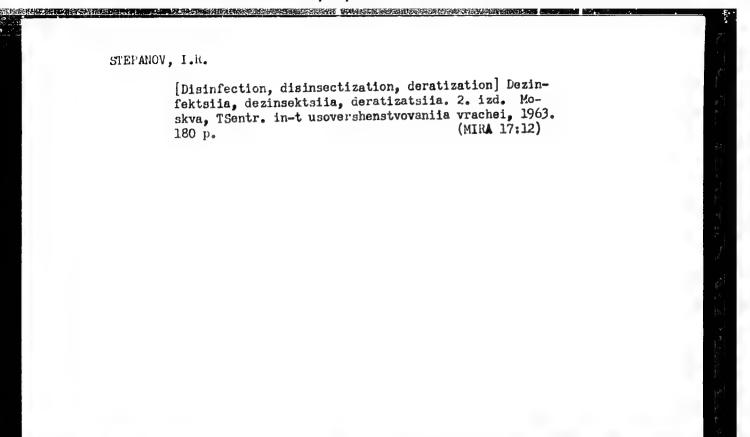
SCHASTNYY, N.G., inzh.-polkovnik; KISELEV, A.M., podpolkovnik tekhn. sluzhby; SOLDATOV, A.S., inzh.-polkovnik; KOLENSKIY, L.Ya., inzh.-polkovnik; STEPANOV, I.P., podpolkovnik; SMIRNOV, V.I., inzh.-kapitan 2 ranga; MOROZOV, B.N., red.

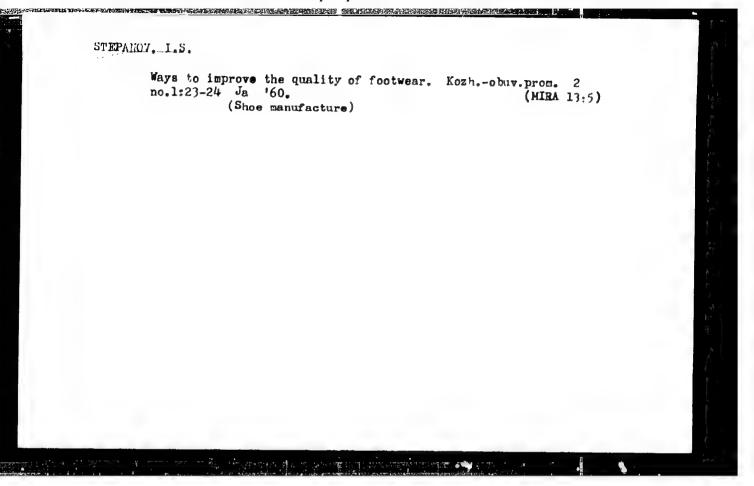
[Invention and innovation in the Armed Forces of the U.S.S.R.] Izobretstel'stvo i ratsionalizatsiia v vooruzhennykh silakh SSSR. Moskva, Voenizdat, 1964. 93 p. (MIRA 17.12)

KARPUKHIN, Georgiy Ivanovich; STEFANOV, 1.K., 1.K.

[Bacteriological examination end disinfection of the sir]

Bakteriologicheskoe issledovanie i obezzarezhivanie vozdukha. Moskva, Modgiz, 1962. 255 p. (MIRA 18:5)





SKOROV, V.A.; STEPANOV, I.S.; SHAKHNAZAROV, A.K., inzhener-metallurg, pensioner; FETHOV, V.I., Geroy Sotsialisticheskogo Truda; BALYSHLIKOV, I.F., starshiy inzhener; BUGAROV, L.A.; LAKERNIK, M.M., kand.tekhn. nauk; SHEYN, Ya.P.; MOLCHANOV, A.A.

The greatest objective of our life. TSvet.met. 34 no.10:1-10 0 '61. (MIRA 14:10)

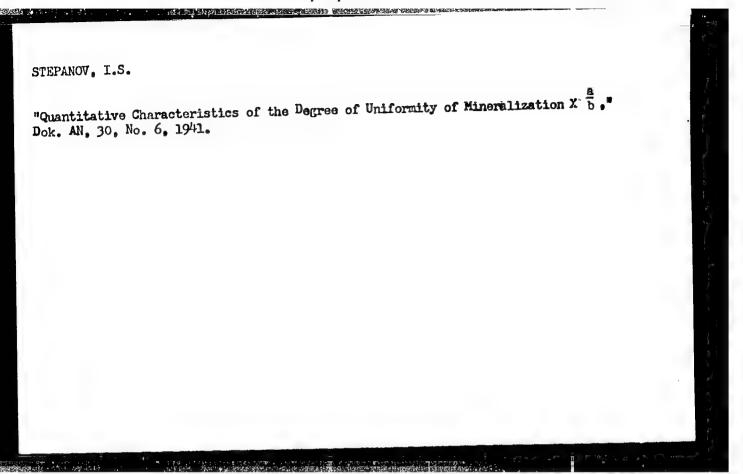
1. Glavnyy inzhener Skopinskogo zavoda "TSvetmet" (for Skorov).

2. Zamestitel' predsedatelya Mezhduvedomstvennoy komissii po redkim metallam pri Gosudarstvennom komitete Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot (for Stepanov).

3. Rukovodite'' brigady kommunisticheskogo truda elektroliznogo tsekha. Ural'shogo alyuminiyevogo zavoda (for Petrov).

4. Ota il tsvetnoy metallurgii Gosplana SSSR (for Baryshnikov.).

5. Nachal'nik podotdela otdela ekonomiki i razvitiya tsvetnoy metallurgii Gosekonomsoveta SSSR (for Bugarev). 6. Zamestitel' direktora po nauchnoy chasti Gosudarstvennogo nauchno-issledovatel'-skogo instituta tsvetnykh metsllov (for Lakernik). 7. Starshiy ekspert upravleniya Gosudarstvennogo komiteta Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (for Sheyn). 8. Glavnyy spetsialist otdela tsvetnoy metallurgii Gosplana SSSR (for Molchanov). (Communism)



ZELIKMAN, A.N.; SAMSONOV, G.V.; KREYN, O.Ye.; STEPANOV, I.S., inzhener, retsenzent; TANANAYEV, I.V., retsenzent; FOCODIN; STATE, professor, doktor, zasluzhennyy deyatel' nauki i tekhniki, retsenzent; RODE, Ye.Ye., professor, doktor, retsenzent; ABRIKOSOV, W.Eh, doktor khimicheskikh nauk, retsenzent; MOROZOV, I.S., kandidat khimicheskikh nauk, retsenzent; MOROZOV, I.S., kandidat khimicheskikh nauk, retsenzent; BOOM, Ye.A., kandidat khimicheskikh nauk, retsenzent; EVORYKIW, A.Ya, kandidat khimicheskikh nauk, retsenzent; BASHILOVA, W.I., kandidat khimicheskikh nauk, retsenzent; RASHILOVA, W.I., kandidat khimicheskikh nauk, retsenzent; VYSOTSKAYA, V.W., redaktor; KAMAYEVA, O.M., redaktor; ATTOPOVICH, M.E., tekhnicheskiy redaktor

[Metallurgy of rare metals] Metallurgiia redkikh metallev. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 414 p. (MIRA 7:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Tananayev)
(Metals, Rare-Metallurgy)

BEUS, Aleksey Aleksandrovich; STEPANOV, I.S., redaktor; SEMENOVA, P.V., redaktor; ERYNOCHKINA, K.V., tekhnicheskiy redaktor.

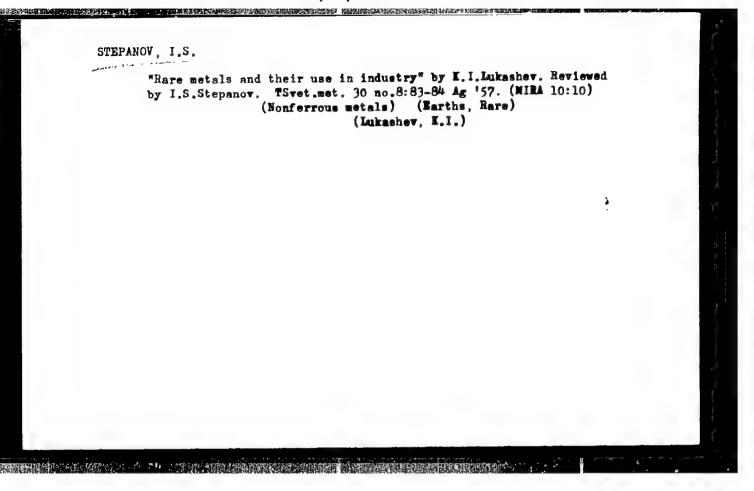
[Beryllium; appraisal of deposits in prospecting] Berillii; otsenka mestorozhdenii pri poiskakh i razvedkakh. Moskva, Gos.nauchno-tekhn. isd-vo lit-ry po geologii i okhrane nedr, 1956. 147 p. (MIRA 9:5)

(Beryllium)

STEPANOV, I.S., brigadir; ZAKHODER, M.A., insh.

Equipment for winding hose cable on the SEK-1 and T-128 tower cranes. Rats. i izobr. predl. v stroi. no.2:48-52 '57. (MIRA 11:1)

1.Tresta Mosstroymekhanisatsiya Ho.1 Claymosstroya. (Cranes, derricks, etc.)



AUTHOR: Stepanov, I.S.

There is I table.

SOV/136-58-9-21/21

TITLE:

New Data on the Prices in the USA of Some Compounds of Rareearth Group Elements (Novyye dennyye o tsenakh v SGhA na nekotoryye soyedineniya elementov iz gruppy redkikh nemel')

FERTODICAL: Tevetnyye Metally, 1958, Nr 9, pp 89 - 93 (USSR)

ABSTRACT: Based on the information sheets of the Lindsey Chemical Company (USA) of April and December, 1957, the author tabulates the USA prices of a number of rare-earth compounds and discusses their possible significance as a pointer to eventual costs of production in the USSR.

1. Reare earth compounds--USA 2. Rare earth compounds--Costs

1136043 -DC-55984

STEPANOV, I.S.; PETROV, G.I., nauchnyy red.; NEKRASOVA, N.B., red. izd-va; IVANOVA, A.G., tekhn.red.

[Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchnotekhn.izd-vo lit-ry po geologii i okhrane nedr. No.45. [Zirconium and hafnium] TSirkonii i gafnii. Nauchn.red. G.I.Petrov. 1959. 34 p. (MIRA 13:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Zirconium) (Hafnium)

BEUS, A.A.; STEPANOV, I.S., nauchnyy red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Trebovaniia promyshlernosti k kachastvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.neuchnotekhn.izd-vo lit-ry po geologii i okhrane nedr. No.36. [Beryllium]. Berillii. Mauchn.red. I.S.Stepanov. 1959. 35 p.

(MIRA 13:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mine-ral'nogo syr'ya.

(Beryllium)

TERENT'YEVA, K.F.; GINZBURG, A.I., Flavnvv red.; PALYSHEV, I.I., red.; RODIONOV, G.G., red.; STEPLICH, I.S.; red.; TROKHACHEV, F.A., red.; FACUTOV, V.P., red.; FPRUSHCHTV, M.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; ROZHKOVA, L.G., red.izd-va; GUROVA, O.A., tekhn.red.

[Rare elements in bauxites] Redkie elementy v boksitakh. Moskva, Gos.nauchn-tekhn. izd-vo lit-ry po geol.i okhr.nedr, 1959. 47 p. (Geologiia mestorozhdenii redkikh elementov, no.6). (Mika 13:12) (Metals, Rare and minor) (Bauxite)

CIV, Yo.F.; VAYSENBERG, A.I.; STEPANOV, I.S., nauchnyy red.; YERSHOV, A.D., glavnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANSHKOV, I.V., red.; NEKRASOVA, N.B., red.; IVANOVA, A.G., tekhn.red.

14. AMARTING TO THE TOTAL OF THE PROPERTY OF

[Industry's requirements as to the quality of mineral raw material; hand-book for geologists] Trebovaniis promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.49. [Niobium and tantalum] Niobii i tantal. Izd.2., perer. 1959. 49 p. (NIRA 12:12)

1. Moscow. Vsesovuznyv nauchno-issledovatel skiy institut mineral nogo syr'ya. (Niobium) (Tantalum)

STMPANOV, I.S.; CHERNOSVITOV, Yu.L., nauchnyy red.; YERSHOV, A.D., glavnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'TEV, D.V., red.; KHRUSHCHOV, N.A., red.; SHMAHENKOV, I.V., red.; STOLYAROV, A.G., red.; IVANOVA, A.G., tekhn.red.

[Industrial requirements as to the quality of mineral rew materials: handbook for geologists] Trebovaniis promyshlennosti k kachestvu mineral nogo syria; spravochnik dlis geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.46. [Rubidium and cesium] Rubidii i tsezii. Nauchn.red. IU.L. Chernosvitov. 1960. 33 p. (NIRA 14:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel skiy institut mineral nogo syr'ya.
(Rubidium) (Cesium)

SHCHERBINA, V.V.; GINZBURG, A.I., red. vypuska; MALYSHEV, I.I., red.;
POLYAKOV, P.A., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.;
TROKHACHEV, P.A., red.; PAGUTOV, V.P., red.; KHRUSHCHOV, N.A.,
red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.
EYGELES, M.A., red.; ROZHKOVA, L.G., red. izd-va; IYERUSALIMSKAYA,
Ye.S., tekhn, red.

[Geology of rare metal deposits] Geologiia mestorozhdenii redkikh elementov. No. 8 [Geochemical characteristics of scandium and types of its deposits.] Osobennosti geokhimii skandiia i tipy ego mestorozhdenii. Moskva, Gos.nauch.-tekhn.izd-vo lit-ry po geol. i okhr. medr. 1960, 56p. (Geologiia mestorozhdenii redkikh elementov, no. 8).

(Scandium)

BUTKHVICH, T.V.; YERSHOV, A.D., glav. red.; CHERNOSVITOV. Yu.L., zamestitel' glav. red.; SHMANENKOV, I.V., zamestitel' glav. red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; MOKROUSOV, V.A., red.; SOLOV'YEY, D.V., red.; TROYANOV, A.T., red.; KHRUSHCHEV, N.A., red.; STEPANOV, I.S., nauchnyy red.; ROZHKOVA, L.O., red. izd-va; IYERUSALIMSKAYA, Ye.S., tekhn. red.

[Industry's requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd. 2., perer. Moskva, Gos. nauchno-tekhn. izd-vo lit- ry
po geol. i okhrane nedr. No. 43. [Tungsten] Vol'fram. 1960. 61 p.
(MIRA 14:5)

1. Moscow. Vaesoyuzmy nauchno-issledovatel'skiy institut mineral'nogo syr"ya.

(Tungston)

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GINZPURG, A.1.; GOEZHEVSKAYA, S.A.; YEROFETEVA, Ye.A.; SIDORERKO, G.A.;
MALYSHEV, I.I., red.; POLYAKOV, M.V., red.; RODIONOV, G.G., red.;
STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.;
KHRUSHCHOV, N.A., red.; CHEFLOSVITOV, Yu.L., red.; SHMANERHOV, I.V.,
red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; NEMANOVA, G.F.,
red.izd-va; BYKOVA, V.V., tekhn.red.

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[Titanates, tentalates, and niobates] Titano-tantalo-niobaty. Moskva. Gos. nauchno-tekhn.izd-vo lit-ry po geol.i okhrene nedr. Part 1. 1960. 166 p. (Geologiia mestorozhdenii redkikh elementov. no.10). (MIRA 14:6)

(Titanates) (Tantalates) (Niobates)

STEPANOV, I.S., aspirant

Classification of cultivated slightly Podzolic sandy loam turf goils[with summary in English]. Izv. TSKhA no.4:204-213 '60.

(MIRA 13:9)

(Soils-Classification)

SHEYNMANN, Yu.M.; APEL'TSIN, F.R.; NECHAYEVA, Ye.A.; GINZBURG, A.I., red.; MALYSHEV, I.I., red.; POLYAKOV, M.V., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; ROZHKOVA, L.G., red.izd-va; BYKOVA, V.V., tekhn.red.

[Alkaline intrusions, their distribution, and the mineralization associated with them] Shchelochnye intruzii, ikh razmeshchenie i sviazannaia s nimi mineralizatsiia. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol.i okhrane nedr, 1961. 176 p. (Geologiia mestorozhdenii redkikh elementov, no.12/13). (MIRA 15:8) (Rocks, Igneous) (Ore deposits)

SHVEY, Igor' Vladimirovich; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zamestitel' glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; ENTIN, M.L., red.; BYKOVA, V.V., tekhn.red.

[Basic geochemical problems of rare earth elements and yttrium in endogenic processes] Osnovnye voprosy geokhimii redkozemel'nykh elementov i ittriia v endogennykh protsessakh. Moskva, Gos. nauchn.-tekhn. izd-vo lit-ry, po geologii i okhrane nedr, 1962. 105 p. (Geologiia mestorozhdenii redkikh elementov, no.15). (MIRA 15:11) (Rare earth metals) (Yttrium)

STEPANOV, I.S.

Asha series in the basin of the Chusovaya River. Dokl. AN SSSR 143 no.1:201-203 Mr 162. (MIRA 15:2)

1. Permskiy geologorazvedochnyy trest. Predstavleno akademikom D.V.Nalivkinym.

(Chusovaya Valley—Geology, Stratigraphic)

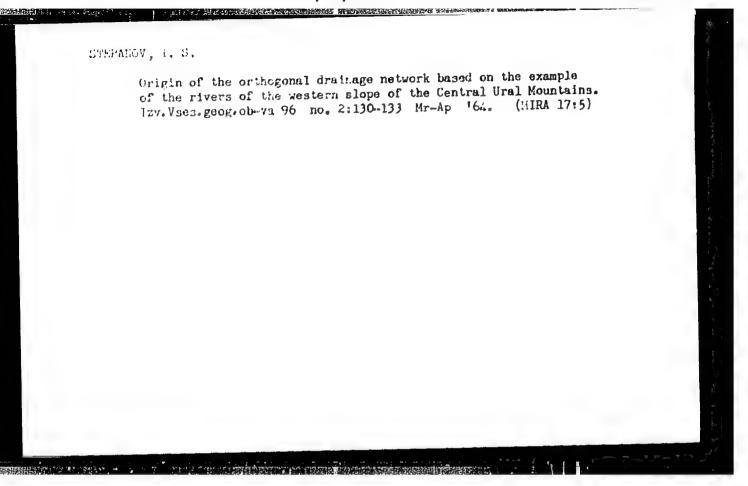
STAVROV, O.D.; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zam. glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; FEDOTOVA, A.I., red.izd-va; IYERUSALIMSKAYA, Ye., tekhn.

[Basic characteristics of lithium, rubidium, sesium in the process of the formation granite intrusives and the pegmatites connected with them.] Osnovnye cherty geokhimii litiia, rubidiia, tseziia v protsesse stanovleniia granitnykh intruzivov i sviazannykh s nimi pegmatitov. Moskva, Gosgeoltekhizdat, 1963. 140 p. (Geologiia mestorozhdenii redkikh elementov, no.21). (MIRA 17:2)

STEPANOV, I.S.

Nature of the most recent tectonic movements on the western slope of the Central Urals. Dokl. AN SSSR 152 no.5:1218-1221 0 '63. (MIRA 16:12)

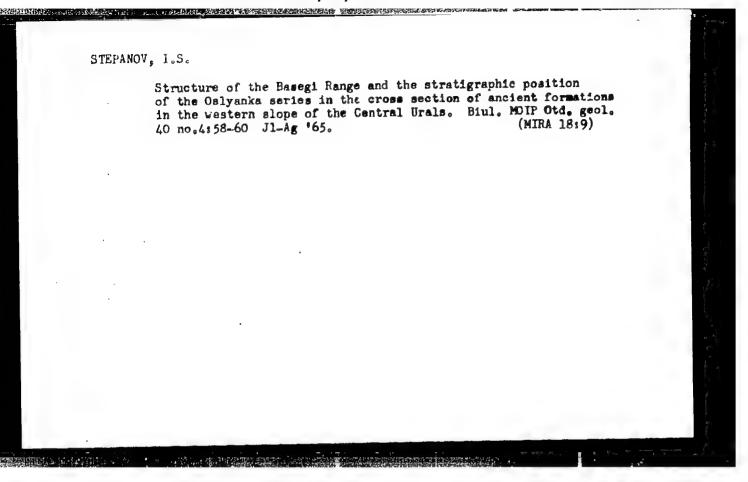
1. Predstavleno akademikom I.P.Gerasimovym.



GORZHEVSKAYA, Susanna Aleksandrovna; SIDORENKO, Galina Aleksandrovna;

GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zamestitel' glavnogo
red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G.,
red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P.,
red.; CHERNOSVITOJ, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA,
V.V., red.; EYGELES, M.A., red.

[Titano-tantalo-niobates. Part 2.] Titano-tantalo-niobaty.
Moskva, Nedra. Pt.2. 1964. ll5p. (Geologiia mestorozhdenii
redkikh elementov, no.23)



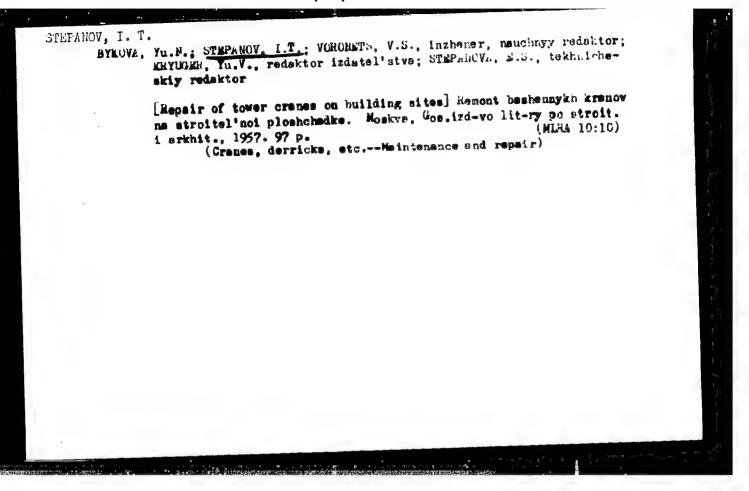
BLOKH, A.M.; KOCHENOV, A.V.; GINZBURG, A.I., glavnyy red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; POLYAKOV, M.V., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.

[Impurity elements in bone phosphate of fossil fishes.] Elementyprimesi v kostnom fosfate iskopaemykh ryb. Moskva, Nedra, 1964. 106 p. (Geologiia mestorozhdenii redkikh elementov, no.24).

KUDRIN, V.S.; KUDRINA, M.A.; SHURIGA, T.N.; GINZBURG, A.I., glavnyy red.;
AIEL'ISIN, F.R., zamestitel' glavnogo redektore; CHERRYSHEVA,
L.V., red.; EEUS, A.A., red.; GREKULOVA, L.A., red.;
GRIGGR'YEV, V.M., red.; ZABOLOTNAYA, N.P., red.; MATIAS, V.V.,
red.; PORALOV, V.T., red.; RODIONOV, G.G., red.; STEPANOV, I.S.,
red.; CHERNOSVITOV, Yu.I., red.; SIMANENKOV, I.V., red.

[Rare-metal metascmatic formations associated with subalkaling
granitoids.] Redkometal ruym metascmaticheskie obrazovania,
granitoids.] Redkometal ruym metascmaticheskie obrazovania,
sviazennye s subahchelochnymi granitoidami, Moskva, Nedra,
sviazennye s subahchelochnymi granitoidami, Moskva, Nedra,
1965. 145 p. (Geologiia mestorozhdenii redkikh elementov,
no.25)

(MIRA 18:8)



KHRUSHCHEV, G.G., kand. tekhn. nauk; Prinimali uchastiye: YADROVA, G.I., inzh.; STEPANOV, I.T., konstruktor; AFANAS'YEV, V.K., inzh.; DODONOVA, V.I., laborant; VORONOVA, R.G., laborant

Method of combined spinning, slubbing, and twisting in woolen manufacture. Nauch.-issl. trudy TSNIIShersti no.17:29-38 '62. (MIRA 17:12)

KUZYAKIN, Aleksandr Petrovich; STEPANOV, I.V., redaktor; TRAKHTMAN, Ya.N. redaktor; SACHEVA, A.I., Tekhnicheskiy redaktor.

[Exterminating rats and mice in dwellings and out buildings] Unichtoshenie krys i myshei v shilishchakh i nadvornykh postroikakh. Moskva, Gos.isd-vo med. lit-ry, 1955. 44 p.

IAD, V.G.; STEPANOV, I.V.

Making welded vanes for vacuum pumps. Rats. i izobr. predl. v (MIRA 8:7)

1. Trest Burvodstroy Ministerstva stroitel'stva SSSR.

(Vacuum pumps)

STEPANOV, I.V., inzh.

Redesign of floating cranes. Sudostroenie 27 no.12:62-64 D'61.

(MIRA 15:1)

(Floating cranes)

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S/564/57/000/000/015/029 D258/D307

AUTHORS:

Stepanov, I. V., and Feofilov, P. P.

TITLE:

Artificial fluorite

SOURCE:

Rost kristallov; doklady na Pervom soveshchanii po rostu kristallov, 1956 g. Moscow, Izd-vo

AN SSSR, 1957, 229-241

TEXT: A brief review is first given of the advantages and applications of fluorite in optics, and of the necessary conditions during the production of artificial crystals. In the present work the author used a variation of the method proposed I. V. Obreimov and L. V. Shubnikov and perfected by P. W. Ishubnikov and perfected by P. W. Bridgman (Proc. Am. Acad. Sci., 60, 306 (1925)). Combination of high temperatures and low pressures was achieved by (1) reduction of the space to be avacuated, (2) elimination of gastrataining materials, or of those whose vapor pressure exceeded 10<sup>-5</sup> torr at working temperatures, from the evacuated space,

S/564/57/000/000/015/029 D258/D307

Artificial fluorite ...

(3) water-cooling of all parts which did not have to be maintained at high temperatures. The crystals were grown in 0.15 - 0.2 mm thick Mo crucibles. The apparatus is illustrated and described. The starting materials used were technical fluorite (after removal of impurities) and high-purity artificial CaF<sub>2</sub>. The process itself consisted of charging the crucible with CaF<sub>2</sub> containing 0.25% by weight of PbF<sub>2</sub> (to convert any CaO back to CaF<sub>2</sub>) and slowly raising the temperature to the m.p. of the

charge, keeping the pressure below 10<sup>-3</sup> torr. The crucible was then moved into a cooler part of the furnace; monocrystals were obtained only when this transfer was slow. Crystals were then annealed at 1100°C, cooling very slowly to room temperature. More than 1000 specimens were obtained by this method, 40 mm in dia. (200 g) or 60 mm in dia. (~800 g). Physical properties of artificial and natural crystals are compared. In the short-wave range, the spectral transmissivity began at 210 mm in artificial

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